

# DIN EN 14972-7:2023-09 (E)

## Fixed firefighting systems - Water mist systems - Part 7: Test protocol for commercial low hazard occupancies for automatic nozzle systems

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
<b>1</b>	<b>Scope .....</b>	<b>5</b>
<b>2</b>	<b>Normative references .....</b>	<b>5</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>5</b>
<b>4</b>	<b>General requirements .....</b>	<b>5</b>
4.1	General .....	5
4.2	Categories .....	6
4.2.1	Category I system .....	6
4.2.2	Category II system .....	6
4.2.3	Category III system .....	6
<b>5</b>	<b>Fuel packages .....</b>	<b>6</b>
5.1	Fuel package 1 (bunk beds) .....	6
5.2	Fuel package 2 (corner crib and simulated furniture) .....	6
5.3	Fuel package 3 (sofas) .....	6
5.4	Fuel package 4 (simulated work station) .....	6
<b>6</b>	<b>Test arrangement .....</b>	<b>9</b>
6.1	Test room A (small compartment) .....	9
6.2	Test room B (large compartment) .....	9
6.3	Test room C (open space) .....	9
6.4	Test room D: open space .....	9
<b>7</b>	<b>Test equipment requirements .....</b>	<b>9</b>
<b>8</b>	<b>Test conditions .....</b>	<b>11</b>
<b>9</b>	<b>Fire tests .....</b>	<b>12</b>
9.1	Procedure .....	12
9.2	Small compartment with bunk beds .....	13
9.3	Large compartment with corner crib and simulated furniture .....	13
9.4	Open space with sofas under one nozzle .....	14
9.5	Open space with sofas between two nozzles .....	14
9.6	Open space with sofas between four nozzles .....	14
9.7	Open space with simulated work station under one nozzle .....	14
9.8	Open space with simulated work station between two nozzles .....	14
9.9	Open space with simulated work station between four nozzles .....	15
<b>10</b>	<b>Pass/fail criteria .....</b>	<b>15</b>
<b>11</b>	<b>Test report .....</b>	<b>16</b>
Bibliography .....		17